

AutoCPR Model 6000

User Information

AutoCPR 8800 Grow Dr. Pensacola, Florida 32514 USA

AutoCPR Model 6000

AutoCPR User Information

The following user instructions for the AutoCPR Model 6000 must be read prior to using AutoCPR. The device is for use by CPR certified care providers as an adjunct to manual CPR. Always follow user instructions and contact an AutoCPR representative if user instructions are not understood. This device may be purchased only on the order of a licensed physician or medical practitioner.

The manufacturer will make available on request circuit diagrams, component part lists, descriptions, calibration instructions, or other information that will assist service personnel to repair those parts of the AutoCPR Model 6000 that are designated by the manufacturer as repairable by service personnel.

AutoCPR® is a registered international trademark.

Declaration of Conformity

AutoCPR complies with the requirements of the European Medical Device Directive 93/42/EEC.



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AutoCPR 8800 Grow Dr. Pensacola, Florida 32514 USA

Tel. +1 850 477-2324



Authorized Representative Sébastien Vandamme 76 rue Colette 76620 Le Havre, France

Tel. +33 6 43 90 70 65

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Safety Precautions

Safety precautions are indicated throughout the user instructions manual by the bold legends, **Warning** or **Caution**. The Warning legend alerts the user to avoid a possible hazardous situation which may result in serious injury or death. The Caution legend alerts the user of a possible hazardous situation which could result in injury and is to be avoided.

Warning

- AutoCPR is to be used only by persons trained in manual CPR
- Do not use AutoCPR on patients less than 18 years of age
- Do not use AutoCPR on patients with chest or abdomen wounds
- Do not use AutoCPR if the patient is pregnant
- Do not use AutoCPR if the patient is too small or too large
- Always attend to patient during operation of AutoCPR
- During automatic ventilations, if patient airway pressure rises above 55cmH₂O or if patient valve alarm sounds, check patient airway for obstruction
- Clear patient airway before resuming automatic ventilations
- Prevent contaminants from entering air and oxygen connections
- If system components do not function according to user manual instructions, turn off controller air and oxygen supplies, press OFF power button, open chest cuff and resume manual CPR
- If empty air supply cylinders cannot be replaced immediately, open chest cuff and resume manual CPR. Press power button OFF and disconnect components
- Do not charge battery in wet areas
- Do not charge the battery while operating the AutoCPR
- Do not perform AutoCPR maintenance while operating the AutoCPR
- Warning: No modification of this equipment is allowed

Caution

- The patient platform is not intended to be used for transporting or carrying patients
- When transporting the patient the platform should be attached securely onto a backboard, gurney or other medical transportation means
- Securing straps must not interfere with patient compression cuffs or hoses
- Use only accessories included in the user instructions manual
- Do not allow liquids, dirt or sand to enter the AutoCPR controller
- The battery is to be recharged after use or within twelve hours after the low battery warning light begins flashing to prevent permanent battery damage
- Follow all operating instructions in the user manual
- Apply compression cuffs tightly around patient chest, abdomen and legs
- Do not cut or puncture patient compression cuffs
- During operation of the AutoCPR controller, if the low battery light begins flashing, the controller will operate for an additional 45 minutes
- The AutoCPR Patient Kit is for single use only. Used components are to be treated as contaminated medical waste and disposed of as required by local authority
- Do not re-use AutoCPR Patient Kit. Re-use of single use Patient Kit may result in inadequate cleaning and decontamination, residues from decontamination agents, cross-contamination, material alteration, and/or device failure
- Do not use AutoCPR Patient Kit if packaging seal has been opened or if packaging has been damaged
- Use only AutoCPR approved accessories. Use of non-AutoCPR accessories will result in ineffective operation.
- Use only AutoCPR battery charger supplied with the unit. Other type battery chargers may incorrectly charge and damage battery possibly resulting in injury to operating personnel.
- If an air compressor is used to inflate compression cuffs, the compressor air supply temperature is to be monitored and is not to exceed 41°C.

AutoCPR SymbolsSymbols located throughout the user manual, on the controller and patient kit conform to EN Standards. Their use reduces the need for translations of words into national languages.

0	Automatic Operating Position
>• ←	Airway Pressure Measurement
2	Single Use Only – Do Not Reuse
J	Ventilator
[]i	Operating Instructions
	Date of Manufacture
	ON/OFF
\odot	ON
Ċ	OFF
†	Type BF Patient Connection

SN	Serial Number
O ₂	Oxygen Supply
AIR	Air Supply
	Manufacturer
EC REP	Authorized Representative
→ 🖽	DC Input

1.0 Introduction

Current methods of cardiopulmonary resuscitation require manual or mechanical devices to provide chest compressions and airway management and often a ratio of three care providers to one patient is required. In a hospital environment this is a significant physical demand, but in the pre-hospital setting this effort often yields unfortunate results. Under optimal conditions, circulation and ventilation requirements are fatiguing labors for care providers. The AutoCPR device assumes both of these functions and once started provides automatic, uninterrupted cardiopulmonary resuscitation. AutoCPR combines external chest compressions synchronized with external counterpulsation to provide forward blood flow hemodynamically. Integrated into the device is a time cycled and pressure limited oxygen ventilator for pulmonary resuscitation.

1.1 Indications for use

AutoCPR is for use on adult patients only as an adjunct to manual cardiopulmonary resuscitation in cases of clinical death as defined by lack of spontaneous breathing and pulse.

1.2 Contraindications

- Patients under 18 years of age
- Patients with chest or abdominal wounds
- Pregnancy
- Patient too small
- Patient too large

1.3 Description

AutoCPR is a portable system for use by emergency medical teams or other first responders as an adjunct to manual CPR. It combines into a single resuscitation system:

- External chest compressor
- External counterpulsation to provide forward blood flow hemodynamically
- Oxygen ventilator

2.0 AutoCPR Components

- Controller
- Air supply hose with unique connector
- Oxygen supply hose with unique connector
- Patient Kit (patient-contacting)
- Battery Charger

2.1 Controller

The AutoCPR controller utilizes a source of compressed oxygen for patient ventilation and compressed air to cyclically inflate legs, abdomen and chest compression cuffs to provide cardiopulmonary resuscitation by inducing circulation in patients clinically dead as defined by lack of spontaneous breathing and pulse. The portable controller assembly provides inflation cuff sequence, pressure and cycle rate. An oxygen ventilator integrated into the controller provides uninterrupted pulmonary resuscitation in proper timing with cuff inflations.

2.2 Oxygen Ventilator

The oxygen ventilator includes a ventilator volume selector and demand breathing regulator. The ventilator outlet connects to the oxygen delivery tube, patient valve and mask.

2.3 Timer Assembly

The automatic function of AutoCPR is controlled by an electronic timer assembly powered by a small battery.

2.4 Air Supply

The AutoCPR controller receives pressure reduced air from a wall outlet, air compressor or portable compressed air cylinder. The air supply hose has a unique female connector that fits only the male air connector on the controller. The opposite end of the supply hose is connected to the pressure reduced air supply. (Reference Table 1-10 for specifications of regulated air supply sources)

2.5 Oxygen Supply

The AutoCPR controller receives pressure reduced medical oxygen from an oxygen cylinder or wall outlet. The oxygen supply hose has a unique female connector that fits only the male oxygen connector on the controller. The opposite end of the supply hose is connected to the pressure reduced oxygen supply. (Reference Table 1-9 for specifications of regulated oxygen supply sources)

2.6 Patient Kit

The patient kit includes the following type B applied parts:

- Patient platform
- Compression cuffs: chest, abdomen and leg cuffs
- Cuff hoses with non-interchangeable and color coded connectors
- Oxygen delivery tube, patient valve assembly and mask

The patient kit is defibrillation-proof and can be used in conjunction with an AED.

2.7 Patient Platform

AutoCPR, latex free compression cuffs are attached to the patient platform in a ready position for immediate application. The platform aids medical professionals when applying the compression cuffs to the The cuffs have natient. inflatable bladders that are held in place on the patient by straps with hook and loop



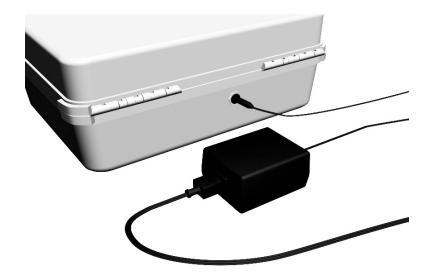
fasteners. Leg cuffs are applied to the thigh of each leg and secured with hook and loop fastened straps. Color coded and non-interchangeable hose connectors mate with corresponding connectors on cuffs and system controller. During AutoCPR operation, cuffs cycle sequentially; first the legs followed by the abdomen and then the chest. Chest and abdomen cuffs cycle in counter phase at a combined rate of sixty compressions a minute. Leg cuffs cycle at a rate of five compressions a minute.

Table 1-1 Compression Cuff Sizing

Chest circumference	64cm to 145cm
Abdomen circumference	66cm to 145cm
Leg/thigh circumference	36cm to 66cm
Maximum patient weight	136 kg

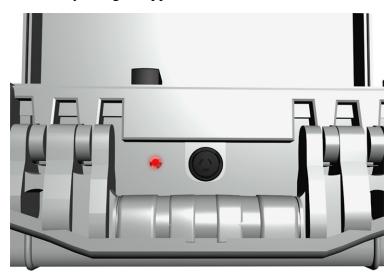
Warning:

The platform is not intended to be used for transporting or carrying patients. When transporting the patient, the platform should be attached securely onto a backboard, gurney or other medical transportation means. Securing straps must not interfere with patient cuffs and hoses.



2.8 Battery Charger

The controller battery is the internal power supply for AutoCPR and is connected to the electronic system. The battery is recharged in place with the external charger. The battery charger is connected to the DC input on the back side of the controller case. The battery charger cord must be plugged into a 220 VAC/50Hz wall socket. (Reference Tables 1-5 and 1-6 for battery specifications) The battery charger is not intended to be used during AutoCPR operation. The battery should be fully charged before using and will run the AutoCPR unit for sixty minutes before the low battery indicator turns on. Use only AutoCPR battery charger supplied with unit.

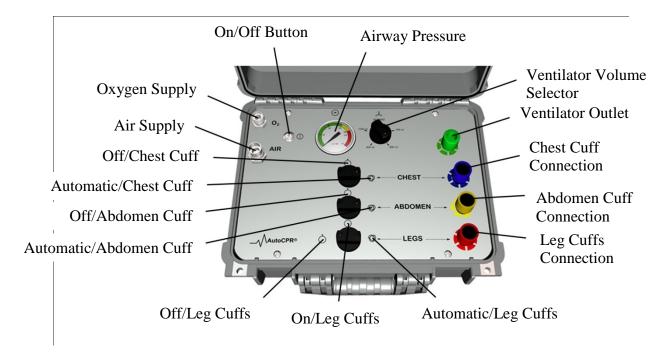


Caution – Low Battery

A red LED low battery warning light is located on the front side of the case. When the red warning light starts flashing, the battery will operate the unit for 45 minutes. Start battery recharge within twelve hours of the initial low battery warning to avoid permanent damage to the battery.

3.0 User Controls and Indicators

User controls and indicators are positioned on the AutoCPR controller panel.



3.1 Oxygen and Air Connections

O₂ – **AIR** Oxygen and air supply connections on the AutoCPR controller have unique connection means that are non-interchangeable.

3.2 On/Off Power Button

The ON/OFF power button is located at the top left corner of the controller. A green LED in the middle of the button lights when in the ON mode. When the button is pressed a second time the AutoCPR controller ceases operation and the light turns Off.

3.3 Patient Airway Pressure Gauge

A gauge measures patient airway pressure during automatic oxygen ventilation. The gauge has graduates of 0 to 75 cmH₂O.

Warning:

- During automatic oxygen ventilation if airway pressure rises above 55 cmH₂O or if patient valve alarm sounds, check patient airway for obstruction.
- Clear patient airway before resuming automatic ventilation

3.4 Oxygen Ventilator

The oxygen ventilator has two modes of operation: Automatic and Demand

- The Automatic setting is controlled by the ventilator volume selector and is used during resuscitation.
- The Demand setting is also controlled by the ventilator volume selector and is used when the resuscitated patient is spontaneously breathing.

3.5 Ventilator Volume Selector

The ventilator volume selector has four positions for levels of patient tidal volume and one Demand position for patient spontaneous breathing. Each position is calibrated for a flow that when matched with the electronic timer allows for a fixed volume of oxygen to flow to the patient. The patient ventilator is time cycled and pressure limited. The ventilator automatically cycles in phase with every second abdomen cuff compression to reduce the possibility of gastric insufflation and pulmonary aspiration of gastric contents.

Patient oxygen ventilation is selectable at 400, 600, 800 or 1000 milliliters for each cycle. The proper ventilator volume setting is determined by multiplying the patient weight by 8-10 ml. /kg. If the resuscitated patient requires additional oxygen flow, the demand feature of the ventilator provides additional flow to meet patient demand.

3.6 Oxygen Ventilator Outlet

The oxygen ventilator has a standard 22mm outlet connection for the oxygen delivery tube, patient valve assembly and mask. The 22mm outlet is a unique male connector for the oxygen delivery tube. The patient valve assembly includes an alarm whistle that sounds a tone when pressure in the outlet exceeds $55 \text{ cmH}_2\text{O}$

3.7 Control Selectors

Compression cuff control selectors are located in the center of the AutoCPR control panel and their operating positions are marked with the following symbols:

	Automatic position
Ċ	Off position
\odot	On position

	1110 01		reconstruction and two positions.
	0	0	Automatic
	0	Ċ	Off
•	The A	bdomer	Cuff Control Selector has two positions:
	0	0	Automatic
	0	Ċ	Off
•	The Le	eg Cuff	s Control Selector has three positions:
	0	0	Automatic
	0	Ċ	Off
	0	\odot	On
		§	The leg cuff ON position is for use when the patient has wounds to the leg(s).

4.0 Using AutoCPR

Warning

• For use only on patients 18 years of age or older

The Chest Cuff Control Selector has two positions:

- For use by CPR certified care providers as an adjunct to manual CPR
- Not to be used on patients that are pregnant
- Not to be used on patients with chest or abdominal wounds
- Not to be used on patients too small or too large

4.1 Preparing AutoCPR for Use

Before using AutoCPR the controller should be set to the following positions:

- Oxygen Ventilator Volume Selector set to the 600 milliliter position
- Chest Cuff Selector set to the Automatic position
- Abdomen Cuff Selector set to the Automatic position
- Leg Cuffs Selector set to the Off position

4.2 AutoCPR Operating Procedure

The following procedure for operating the AutoCPR resuscitation system requires two persons trained and certified in cardiopulmonary resuscitation

- Remove patient kit from its protective bag.
- After determining the condition of the patient, set the patient in the upright position
- Place the platform with the attached chest and abdomen cuffs behind the patient with person symbol pointing in the direction of the patient's head



• Rapidly pull cuff lanyard completely away from platform to expose abdomen and chest cuffs in ready position



• Lay patient's back onto the platform



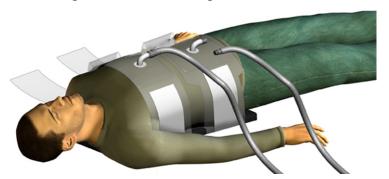
• Alternately, place the platform and cuffs to the patient's side and roll the patient's back onto the platform.

• First attendant:

- o Apply chest cuff tightly around patient directly below the armpits with center of cuff above sternum. Secure fasteners.
- o Apply abdomen cuff tightly around patient and with center of cuff above abdomen. Secure fasteners.
- o Do not place cuff around patient stomach

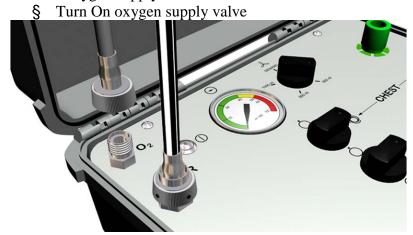


- Connect blue hose connector to chest cuff
- Connect yellow hose connector to abdomen cuff
 Defibrillator pads will not effect operation of AutoCPR chest cuff

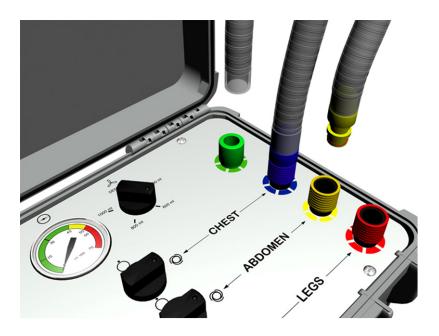


• Second attendant:

- o Connect air supply hose to AutoCPR controller
 - § Turn On air supply valve
- o Connect oxygen supply hose to AutoCPR controller



- o Connect (blue) chest cuff hose to controller
- o Connect (yellow) abdomen cuff hose to controller
- Connect oxygen delivery hose with patient valve and mask to ventilator outlet on controller

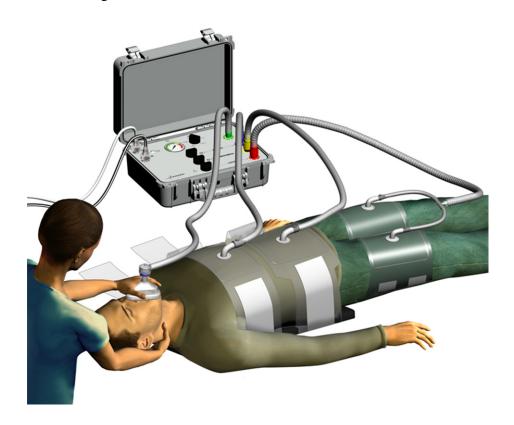


- o Press ON/OFF power button on controller green indicator lights
- o Apply oxygen mask to patient airway



• First attendant:

- o Apply leg cuffs tightly around each leg close to the groin
- o Connect (red) legs cuff hose to controller
- o Turn Leg cuff selector to Automatic



4.3 AutoCPR in Operation

With Cuff Selectors set to the Automatic positions and ventilator volume selected, the controller provides inflation cuff sequence, pressure, and cycle rate and oxygen ventilation.

5.0 Return of Spontaneous Circulation

- Upon return of spontaneous circulation:
 - o Turn Chest Cuff Selector to OFF position
 - o Disconnect chest cuff hose from controller
 - o Continue to cycle abdomen and leg cuffs to provide circulation support
 - Continue to cycle oxygen ventilator
 - o If patient begins spontaneous breathing, turn ventilator volume selector to the Demand setting
- If patient returns to cardiac arrest:
 - o Connect chest cuff hose to controller
 - o Turn Chest Cuff Selector to ON position
 - o Turn Ventilator Volume Selector to the appropriate volume setting

6.0 Completion of Resuscitation Procedures

- Upon completion of resuscitation procedures:
 - o Press ON/OFF power button green indicator light turns off and automatic cuff cycles and oxygen ventilation cycles cease.
 - o Remove oxygen mask from patient airway
 - o Turn OFF chest, abdomen and leg cuff selectors
 - o Disconnect chest, abdomen and leg cuff hoses from controller
 - o Open chest, abdomen and leg cuff fasteners
 - o Turn off air supply and disconnect from controller
 - o Turn off oxygen supply and disconnect from controller

Caution

- Patient platform, tubing, compression cuffs, oxygen delivery tube, valve and mask are for single use only.
- Single use components are to be treated as contaminated medical waste and disposed of as required by local authority

6.1 Cleaning After Use

- Clean all exposed surfaces of the AutoCPR controller with a cloth and isopropyl alcohol or other disinfectant.
- Allow cleaned surface to completely dry before closing the case

6.2 Preparing for Next Use

- Pre-set the controls to the following positions:
 - o Oxygen Ventilation Volume Selector set to the 600 ml. position
 - o Chest Cuff Selector set to the Automatic position
 - o Abdomen Cuff Selector set to the Automatic position
 - o Leg Cuff Selector set to the OFF position
- Select new patient kit
- The controller battery is recharged by connecting the battery charger to its connection on the back side of the case and plugging the cord into a 220VAC/50Hz electrical outlet.
- The battery charger will maintain the battery in a ready position if connected when the controller is not in use. Use only AutoCPR battery charger supplied with unit.
- The battery, if not connected to the battery charger, will maintain a full charge for 60 hours (with unit off) before low battery indicator lights.
- A flashing red low battery indicator light on the front of the case indicates the battery requires recharging.
- Battery charging must be started within 12 hours after the flashing indicator lights to prevent permanent damage to the battery.

Caution

If the low battery indicator light remains flashing after four hours of charging, do not use the AutoCPR and contact the manufacturer or local service technician for maintenance.

7.0 AutoCPR Maintenance

- After use cleaning and replacement of the battery are the only user maintenance items in AutoCPR
- Maintain controller assembly connected to battery charger when not in use
- If the low battery warning light does not turn off after four hours of battery charging or if device does not operate according to user manual instructions, contact the local AutoCPR technician or manufacturer.

In addition to after use cleaning, the device should be inspected weekly or more frequently if used several times monthly. Reference: Table 1-11 for AutoCPR system check list.

The internal battery must be replaced after 100 use cycles or annually, whichever occurs first. See manual instructions for battery replacement. Servicing of the AutoCPR controller is recommended every five years. If the controller does not operate according to manual instructions do not use and contact the manufacturer or local servicing technician for maintenance.

User preventive maintenance

- Inspect all inlet and outlet connections on AutoCPR controller for contaminants
- Check the operation of control valves, oxygen selector and ON/OFF power button
- Check that the battery charger is connected to the controller and plugged into a wall socket when the device is not in use
- Inspect the controller and case for apparent physical damage
- Check that an unopened patient kit is accessible
- Check patient kit label for expiration date. Do not use if kit has expired date.

Factory maintenance

- Return AutoCPR controller to service center or manufacturer if it does not operate according to User Manual.
- AutoCPR controller should be returned to service center or manufacturer for maintenance after five years of service time

Warning

Unless specified otherwise, repairs and servicing must be carried out by AutoCPR approved service technicians. Failure to follow these conditions may lead to patient/operator injury or death.

7.1 Battery Replacement

- Open controller case and remove four panel screws
- Lift panel and disconnect cable from panel assembly
- Remove controller panel from case
- Disconnect battery cable
- Remove four screws from battery box cover
- Remove battery box cover and battery





- Insert new battery and connect cable
- Replace battery box cover and fasten with four screws
- Connect cable to panel assembly
- Set in place controller panel and fasten with four screws
- Press power button and check for green indicator light

8.0 Performance Specifications – AutoCPR

Table 1-1

Patient Size	Specifications
Chest circumference	64cm to 145cm
Abdomen circumference	66cm to 145cm
Leg/Thigh circumference	36cm to 66cm
Maximum patent weight	136 kg
Operating Parameters	Specifications
Sternal depression	4cm to 5cm
Sternal depression force	45 kg
Compression sequence	Legs – abdomen – chest
Total compression rate	65 continuous
Total duty cycle	65 continuous
Oxygen ventilation	Automatic – 15 ventilations/minute
Oxygen ventilation sequence	Phased w/ each 2 nd abdomen compression

Table 1-2

Physical Specifications	Dimensions	Weight
Controller	48 x 36 x 18 cm	8.6 kg
Patient kit	91 x 41 x 15 cm	3.5 kg

Table 1-3

1 abic 1-3	
Environmental	Specifications
Operating temperature	0°C to +45°C
Storage temperature	0°C to +45°C
Relative humidity	5% to 95%, non-condensing
Safety classification	Meets EN 60601, internally powered, Type
	BF, movable, short time operation, 60
	minutes
IP Classification	IP20
Electromagnetic Susceptibility	Meets EN 61000-4-3,4,5 and 6
RF Emissions	Device uses or produces no RF energy for
	its internal function
Electrostatic Discharge	Meets EN 61000-4-2
Electromagnetic Radiated Immunity	Meets EN 61000-4-3
Electromagnetic Conducted Immunity	Meets EN 61000-4-6 10Vrms
Corrosion resistance	External components non-corrosive
Operating Classification	Short time EN 60601-1, 60 minutes
A . CDD : 1.11 C : 111 111	* 1 1* /1 1 * 1 1 * 1

AutoCPR is suitable for use in all buildings including the home, commercial or hospital environment and meets the requirements of EN 60601-1-2. Susceptibility can not be assured outside of this environment

Table 1-4

Fuse Specification

Description: Battery and charger fuses mounted to Controller circuit board		
Fuse Type: Resettable PTC – not user serviceable		
Mounting Type: Surface Mount		
Voltage – Rated: 13.2 VDC		
Current: 500mA		
Operating Temperature: -40°C to +85°C		
Approvals: UL File No. E183209, TUV File No. R50082521		

Table 1-5

Performance Specifications – Battery

Battery	Specifications
Battery type	Rechargeable sealed lead acid battery
Battery make and model	Power Sonic PS-1208
Size: (L x W x H)	96 x 25 x 62 mm
Weight	0.36 kg
Nominal voltage	12 volts
Nominal capacity	0.80 AH
Nominal operating time/charged	+60 minutes
Battery charge time	4 hours
Battery replacement	100 cycles or 1 year

Table 1-6

Environmental Specifications – Battery

Battery	Specifications
Operating temperature range	0°C to +45°C
Charge temperature range	+5°C to +35°C
Storage temperature range	0°C to +45°C
Operating altitude	3,050 meters

Table 1-7

Performance Specifications –Battery Charger

Battery Charger	Specifications
Battery charger type	Lead acid charger, WPI, 1.3 A
Model Number	452241-SB
Size: (L x W x H)	121 x 76 x 57mm
Weight	0.70 kg
Operating voltage	230 VAC
Operating frequency	50 Hz
Voltage output	13.8 Vdc @ 290 mA
Insulation class	Class II
Battery Charge	4 hours
Fuses	Auto reset thermal breaker

Table 1-8
Environmental Specifications –Battery Charger

Battery Charger	Specifications
Operating temperature	0°C to +40°C
Storage temperature	0°C to +45°C
Relative humidity	5% to 95% non-condensing
Safety requirements	Meets UL60601-1 & CE LVD EN60601-1
Electromagnetic emissions	Meets EN 55011 Group1, Class A
Harmonic emissions	Meets EN 61000-3-2
Voltage fluctuations/flicker emissions	Meets EN 61000-3-3
Electrostatic discharge	Meets EN 61000-4-2
Electromagnetic immunity	Meets EN 61000-4-3 and -6
Electrical fast transient/burst	Meets EN 61000-4-4
Surge	Meets EN 61000-4-5
Power frequency (50/60 Hz) magnetic	Meets EN 61000-4-8
field	
Voltage dips, short interruptions and	Meets EN 61000-4-11
voltage variations on power supply input	
lines	

Table 1-9

Technical Specifications – Medical Oxygen Supply

Totalical Specifications 1/10 areas on y gen supply
Pressure Regulators or Wall Outlet
Minimum Pressure: 3.5 bar
Nominal Pressure: 4.0 bar
Maximum Pressure: 5.0 bar
Minimum Flow Rate: 50 liters/minute

Table 1-10

Technical Specifications – Medical Grade/Breathing Quality Air

Minimum Pressure: 4.5 bar Nominal Pressure: 5.0 bar
36 : 5
Maximum Pressure: 8.0 bar
Minimum Flow Rate: 75 liters/minute

Table 1-11 AutoCPR System Check List

Date:	

Operational status of AutoCPR should be checked weekly as follows:

Inspection List	Inspector	Comments
All exposed surfaces clean		
Ventilator volume set to		
600 ml		
Chest cuff selector set to		
automatic position		
Abdomen cuff selector set		
to automatic position		
Leg cuff selector set to Off		
position		
Battery charger connected		
Test function of power On		
button – LED lights		
Low battery indicator light		
is Off		
Inspect inlet and outlet		
connectors for		
contaminants		
Inspect AutoCPR		
controller for physical		
damage		
Connect air supply hose to		
controller and functionally		
test the controller		
Connect oxygen supply		
hose to controller and		
functionally test ventilator		
Check for accessible		
patient kit		

Table 1-12 AutoCPR Parts List

Part Description	Part Number
AutoCPR Controller	200-018
Patient Kit	215-051
Patient Kit (For Training Use Only)	215-053
Air Supply Hose with Connector	215-059
Oxygen Supply Hose with Connector	215-060
Battery Charger	170-008
Battery	170-004